

Figure 1: Examples of double stranded multifunctional siNA constructs with distinct complementary regions

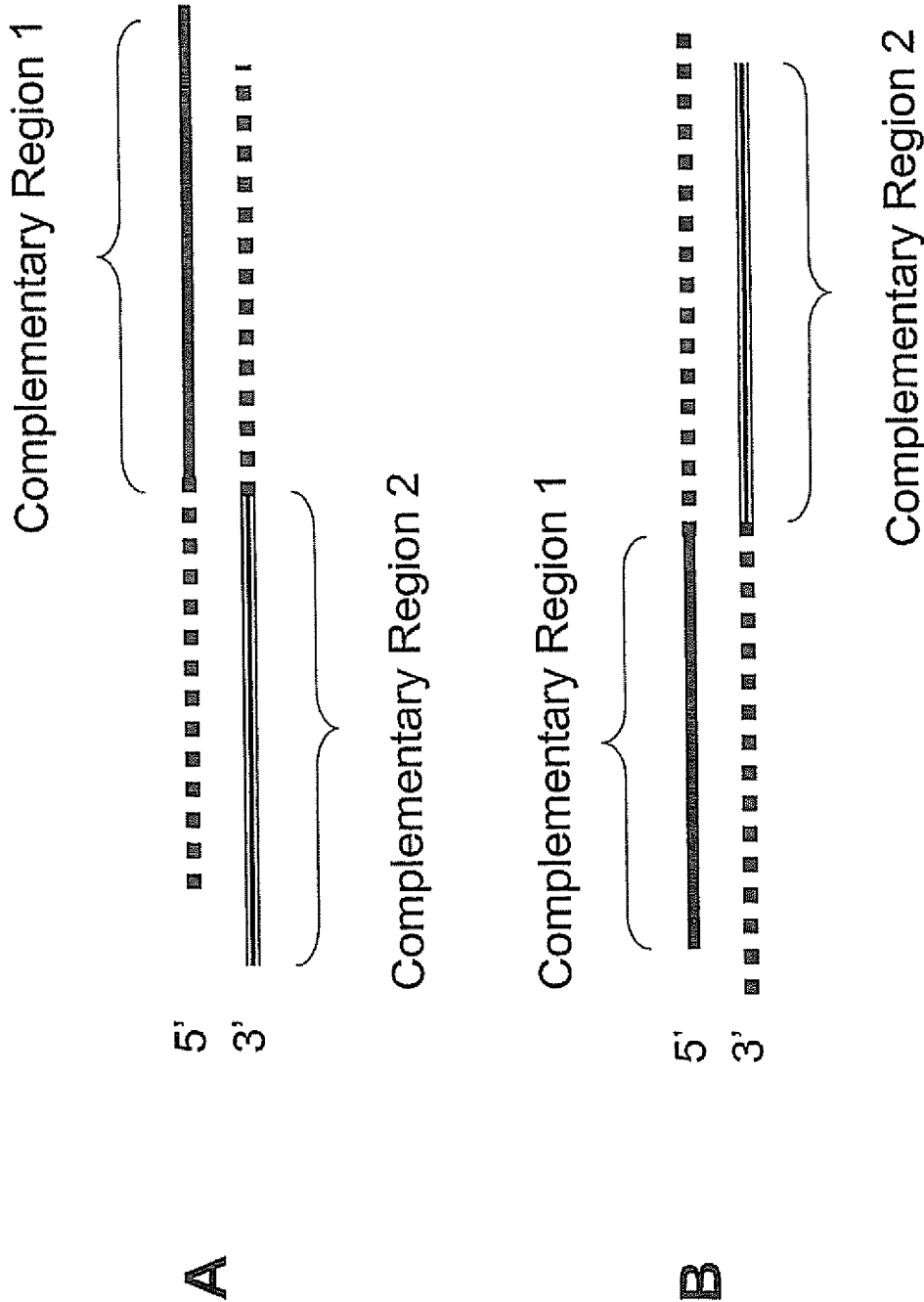


Figure 2: Examples of hairpin multifunctional siNA constructs with distinct complementary regions

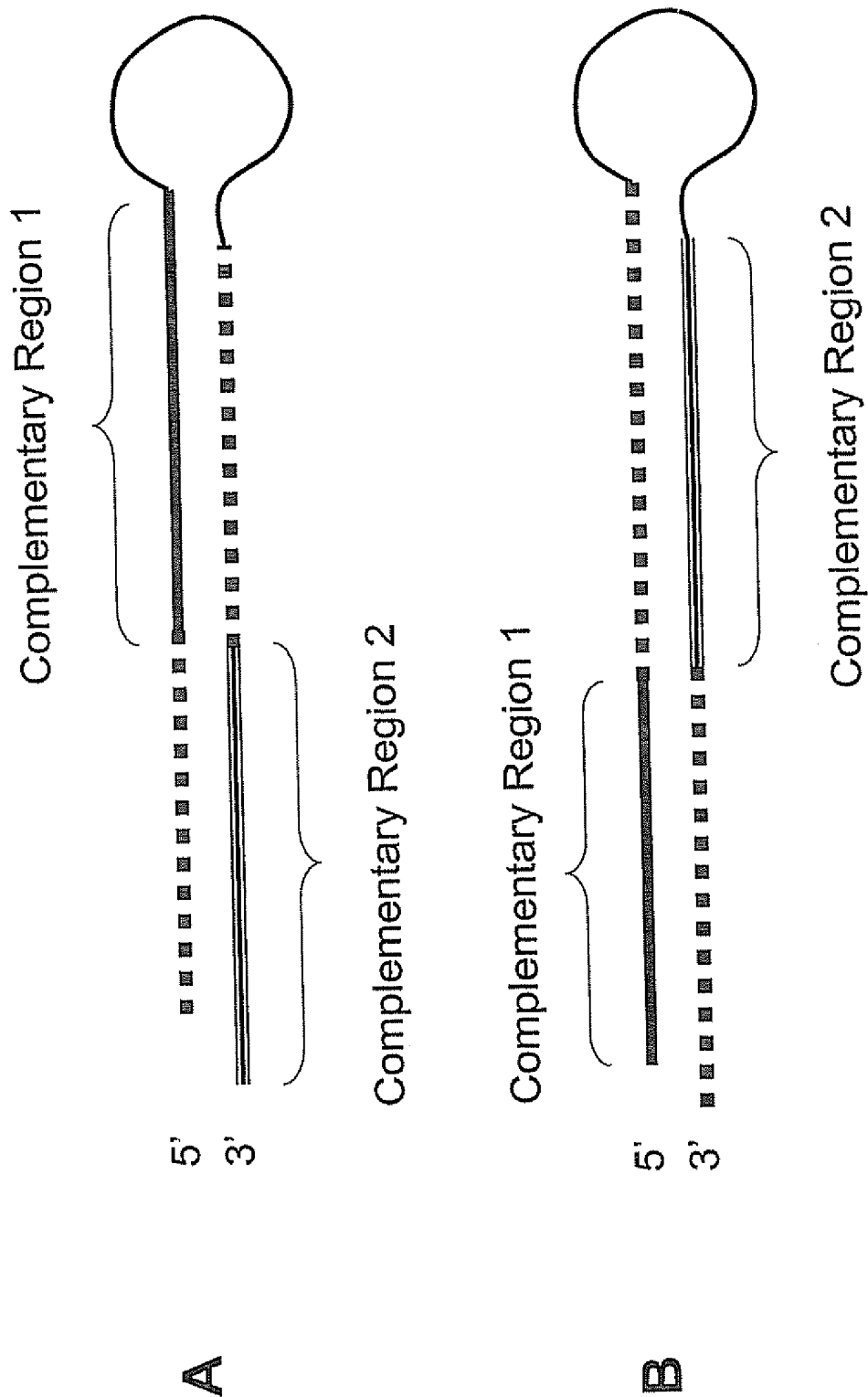


Figure 3: Examples of double stranded multifunctional siNA constructs with distinct complementary regions and a self complementary/palindrome region

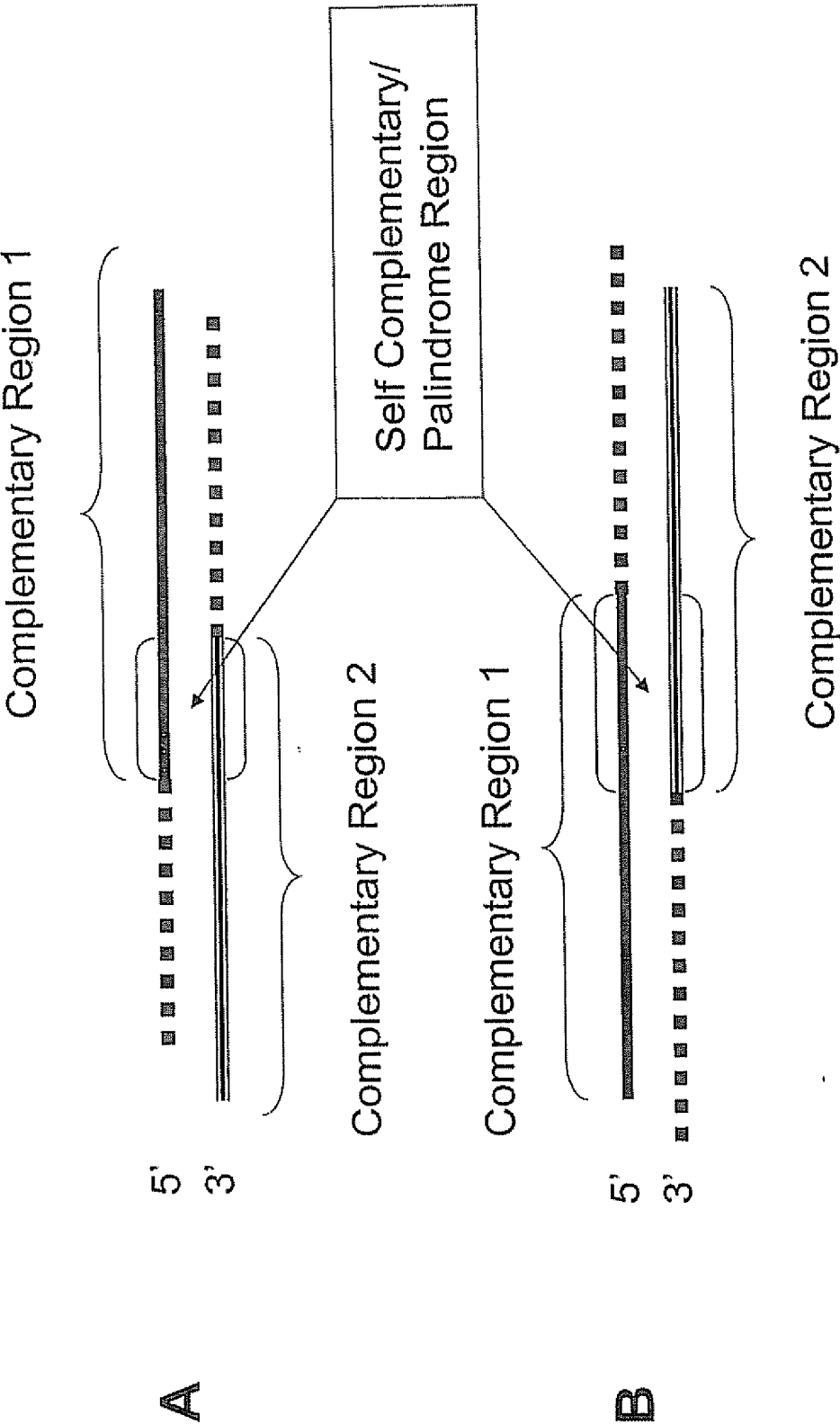
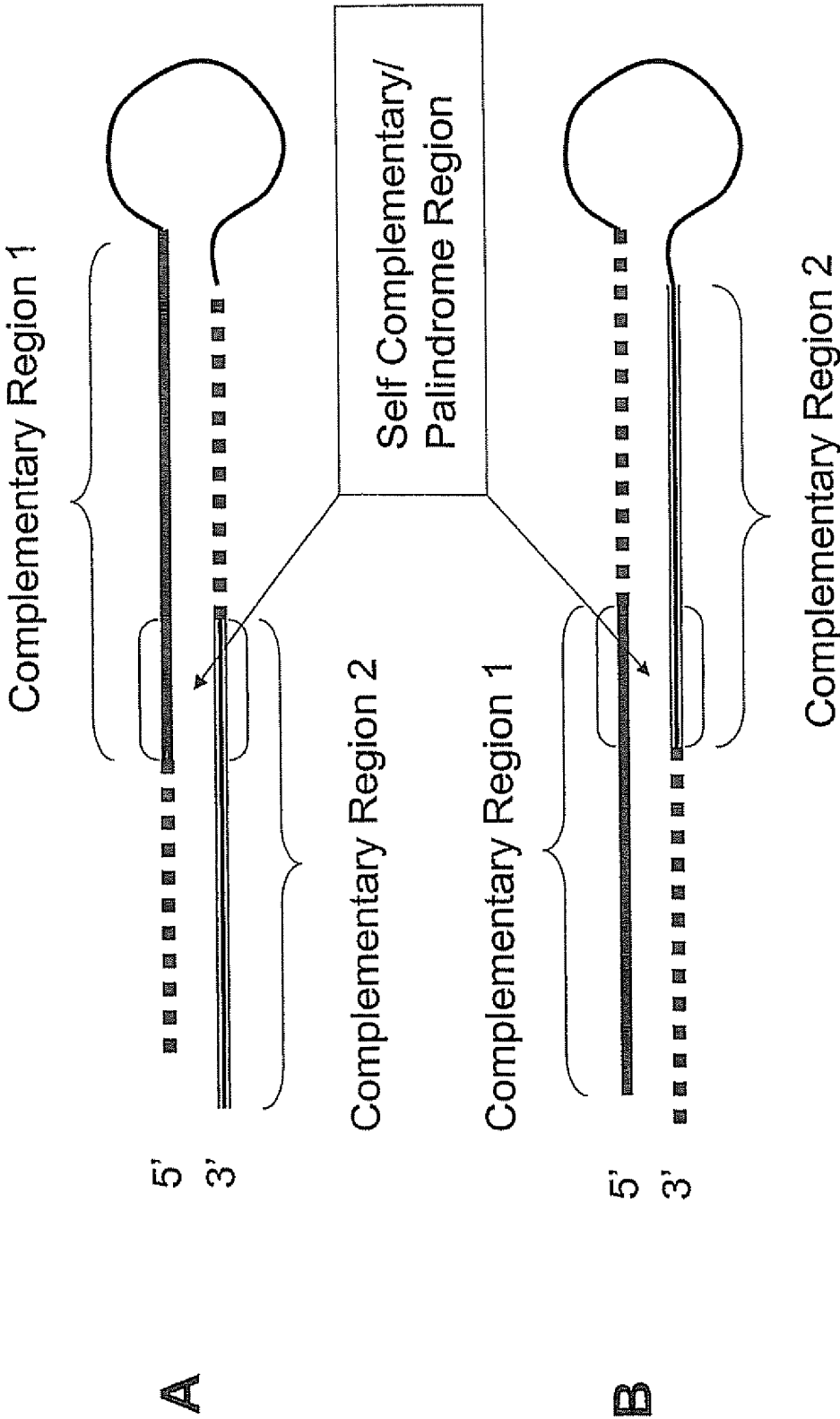


Figure 4: Examples of hairpin multifunctional siNA constructs with distinct complementary regions and a self complementary/palindrome region



**Figure 5: Example of multifunctional siNA targeting two separate
Target nucleic acid sequences**

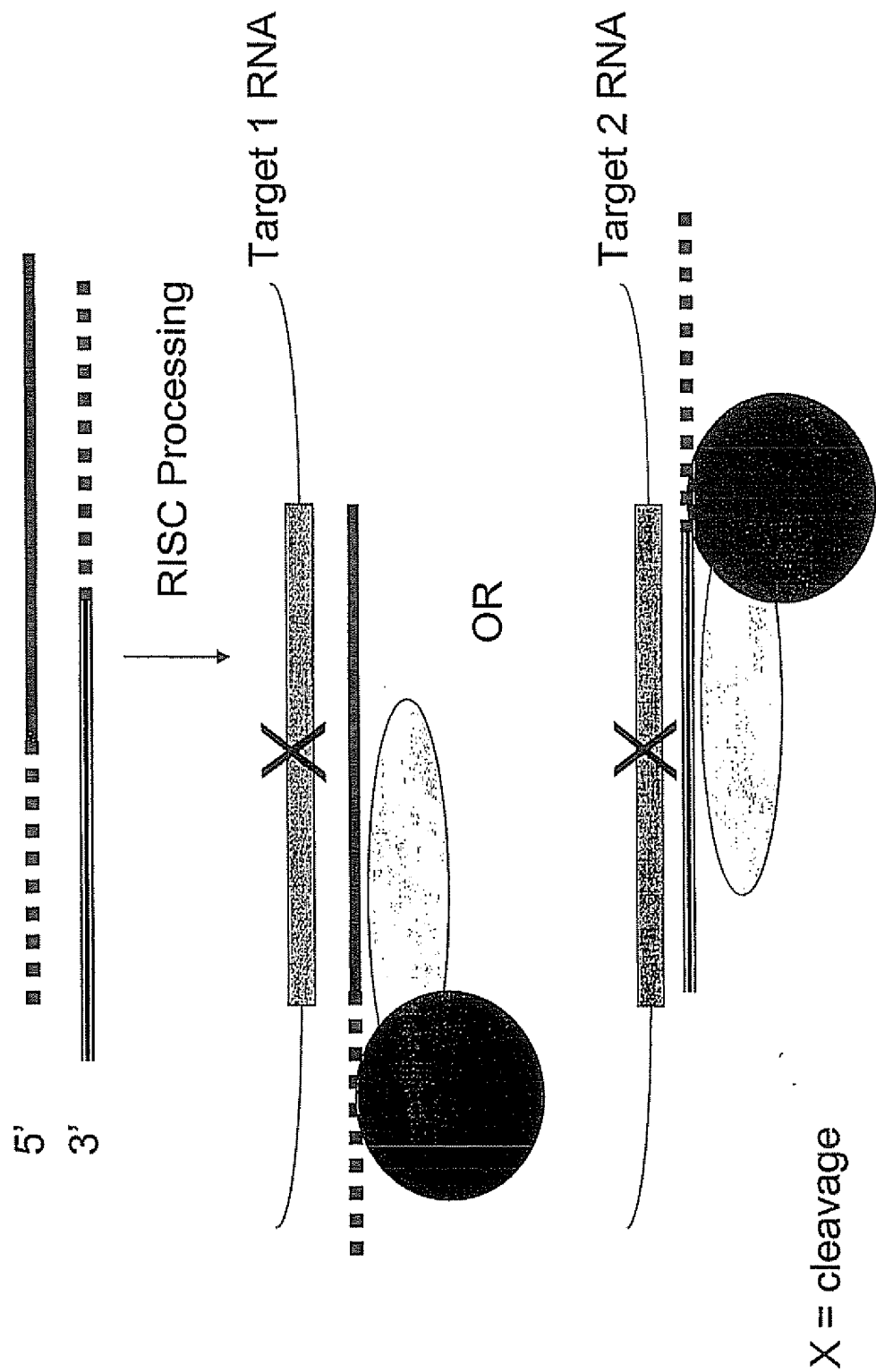


Figure 6: Example of multifunctional siNA targeting two regions within the same target nucleic acid sequence

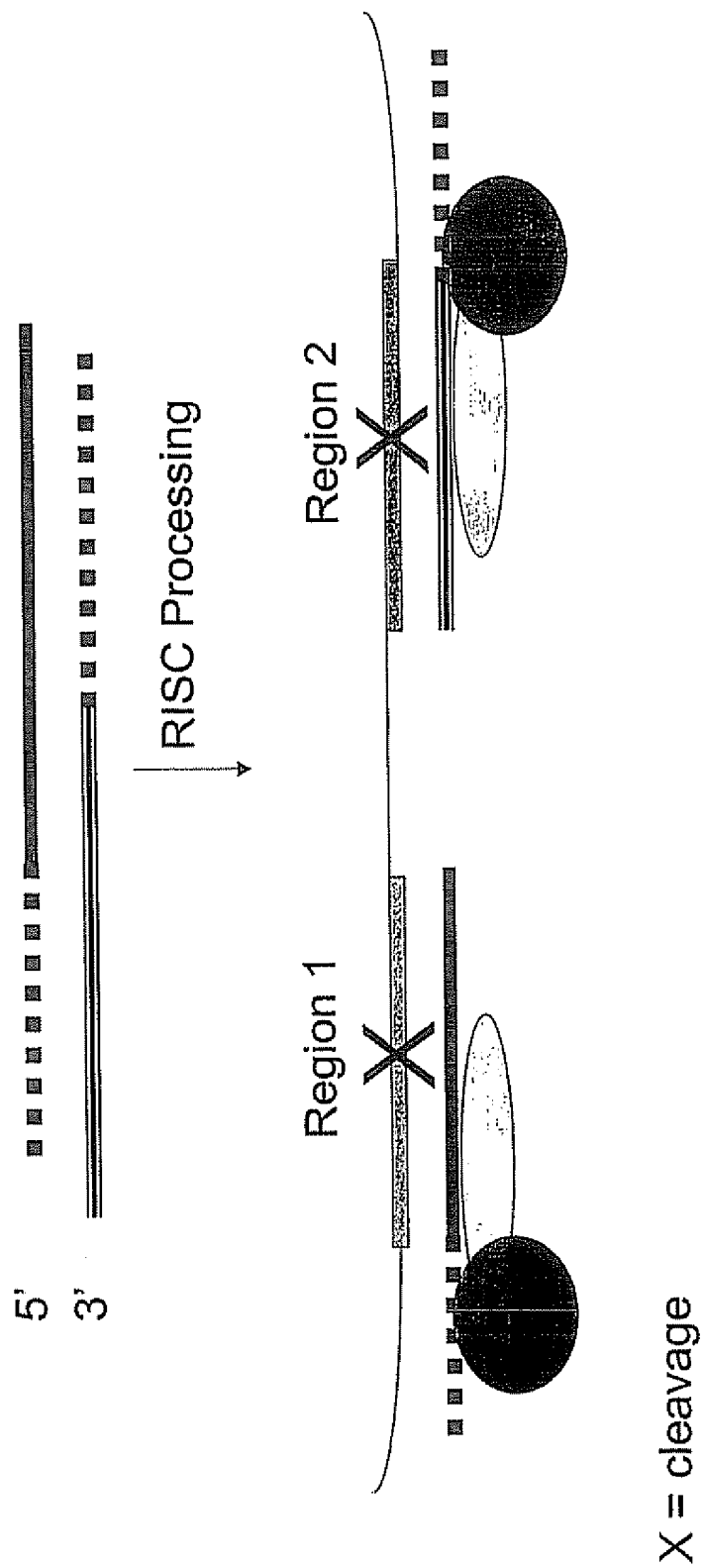


Figure 7: Examples of artificial complementary/palindromic sites generated using Modified nucleotides

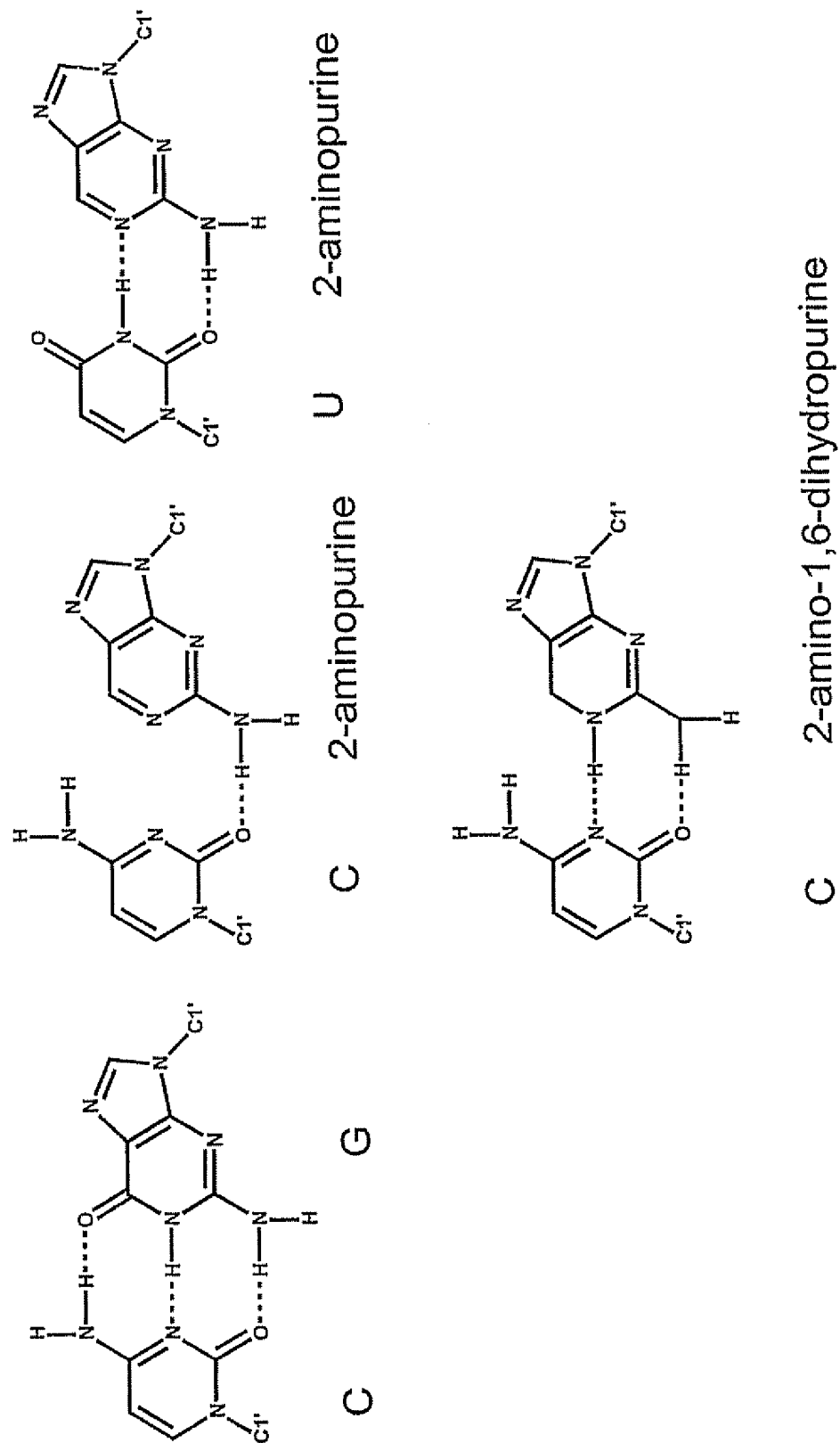


Figure 8: Example of Proposed Mechanism of RNAi

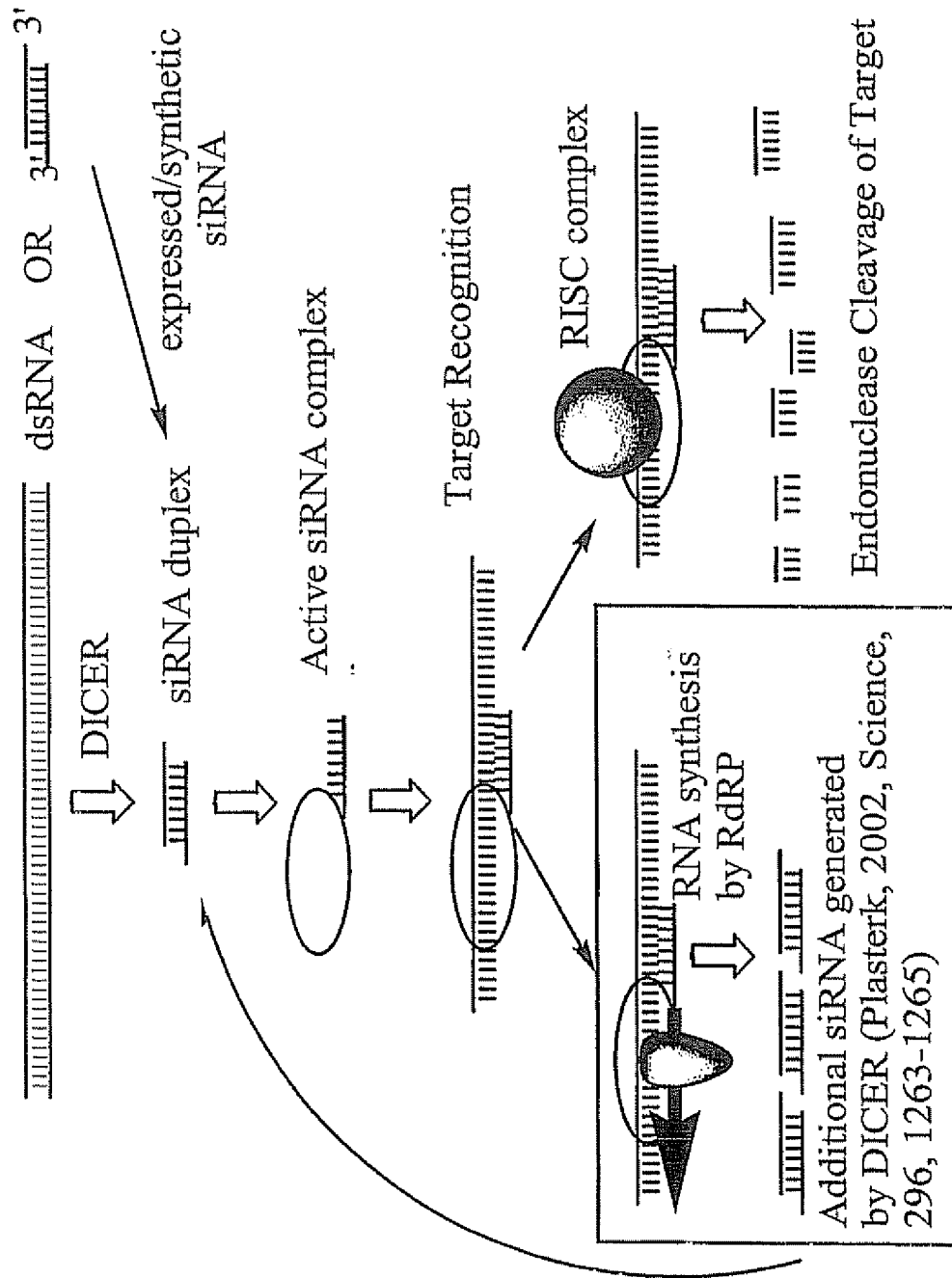
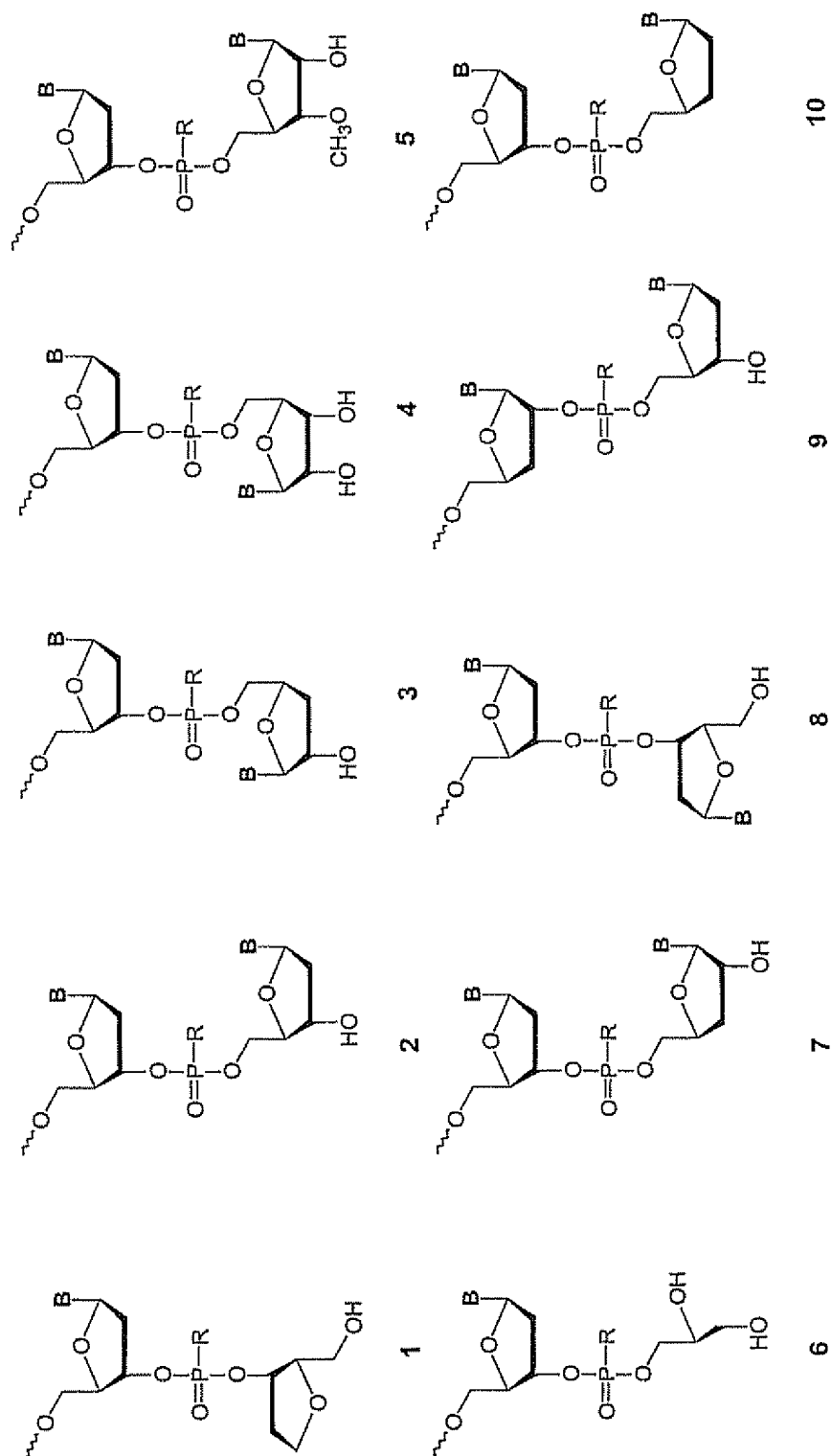


Figure 9

R = O, S, N, alkyl, substituted alkyl, O-alkyl, S-alkyl, alkaryl, or aralkyl
 B = Independently any nucleotide base, either naturally occurring or chemically modified, or optionally H (abasic).

Figure 10: 5'-phosphate modifications

